Headquarters U. S. Air Force

I n t e g r i t y - S e r v i c e - E x c e l l e n c e

Acquisitions Overview

U.S. AIR FORCE

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U.S. AIR FORCE

- **Update industry on the Governments requirement to hire a Systems Engineering and Integration Contractor (SEIC)**
- **Answer industry questions**
- **Showcase Mission Planning capabilities at Eglin AFB, FL**

Outline

U.S. AIR FORCE

- Government Team

- Requirements Overview

- Acquisition Strategy

- Industry Involvement

- Summary

SEIC Acquisition Team

SPD
Col Bill Nelson
Deputy: Mr. Steve Cote

SSM OL-2 (Hill)
Lt Col Troy Lanier

OL-1 (Eglin)
Col William Randall

Legal
Mr. Edward Fitzmaurice

Program Management
Mr. Pat Dagle
Capt Kyle Reybitz
Ms. Elise Erikson
Capt Jordan McCatherin
1Lt Mathew Fontinel

Contracting
Mr. Stephen Smith
2Lt Robert Weeks

ACE Advisors
Mr. Joe Buzzell

Financial Management
Ms. Connie Hofmann
Mr. Joe Dean

Business Strategy

Mission Planning Enterprise Contract (MPEC)

Gov't

System Engineering Integration Contract (SEIC)

Multiple Awd ID/IQ pool

Associate Contract Agreements (ACAs)

Sys Eng & Integration Contractor

MPEC	Govt	SEIC
■ JMPS Development	■ Program Management	■ System Engineering
■ Legacy System Upgrades	■ Increment Management	■ System Software Integration & Test
■ Design Components	■ Lead Functionals	■ Horizontal Component Testing
■ Software Programming – "Code Bending"	■ Requirements Management	■ Top Level System Architecture
■ OSS&E (e.g. Config Mgmt)	■ Risk Management	■ Develop & Maintain Integrated Development Environment (IDE)
■ Risk Planning & Mitigation	■ OSS&E Accountability	■ Requirements Traceability
■ Vertical Component and Integration Testing	■ Sets Test Objectives	■ OSS&E (e.g. Configuration Management)
■ Technology Insertion & Prototyping	■ Contract Management	■ Integrated Master Schedule (IMS)
■ Initial Training	■ Budget	■ Technology Insertion Roadmap
	■ Cost Estimating	

Heading Check with Dr. Sambur – 25 Nov 03

MPEC Strategy Overview

- **Single contract vehicle for mission planning systems**
  - Development and evolution of future JMPS Software
  - Maintenance of existing JMPS developments, legacy systems
  - Evolution of mission planning products (son-of-JMPS)
- **Support Air Force, Navy, Army, Marines, and SOF requirements**
- **Multiple award ID/IQ**
  - Up to 4 large, up to 2 small contractors
  - Cost Plus, Fixed Price, and T&M
- **Total contract period: 5 years**
- **$2B estimated ceiling - &800M of work identified thru FY09**
- **Award in FY04 to execute increasing funding**
  - Will not spend more than AT&L approved

SEIC Strategy Overview

- **Single contract vehicle for mission planning systems**
  - Systems Engineering of JMPS Enterprise
  - Integration of JMPS components
  - Manage MPEs across all USAF platforms, including legacies
  - Plan evolution of mission planning products (son-of-JMPS)
- **Support Air Force, Navy, Army, Marines, SOF, and non-US requirements**
- **Single award Cost Plus Award Fee/Term**
- **Period of Contracting: 12 years; 3 yr base with three, 3–yr terms**
- **Estimated percentage of total Mission Planning Program Element: 15-18%**
- **Phase I Acquisition Strategy Panel in Mar 04 Phase II Aug 04– Release RFP in Aug 04**
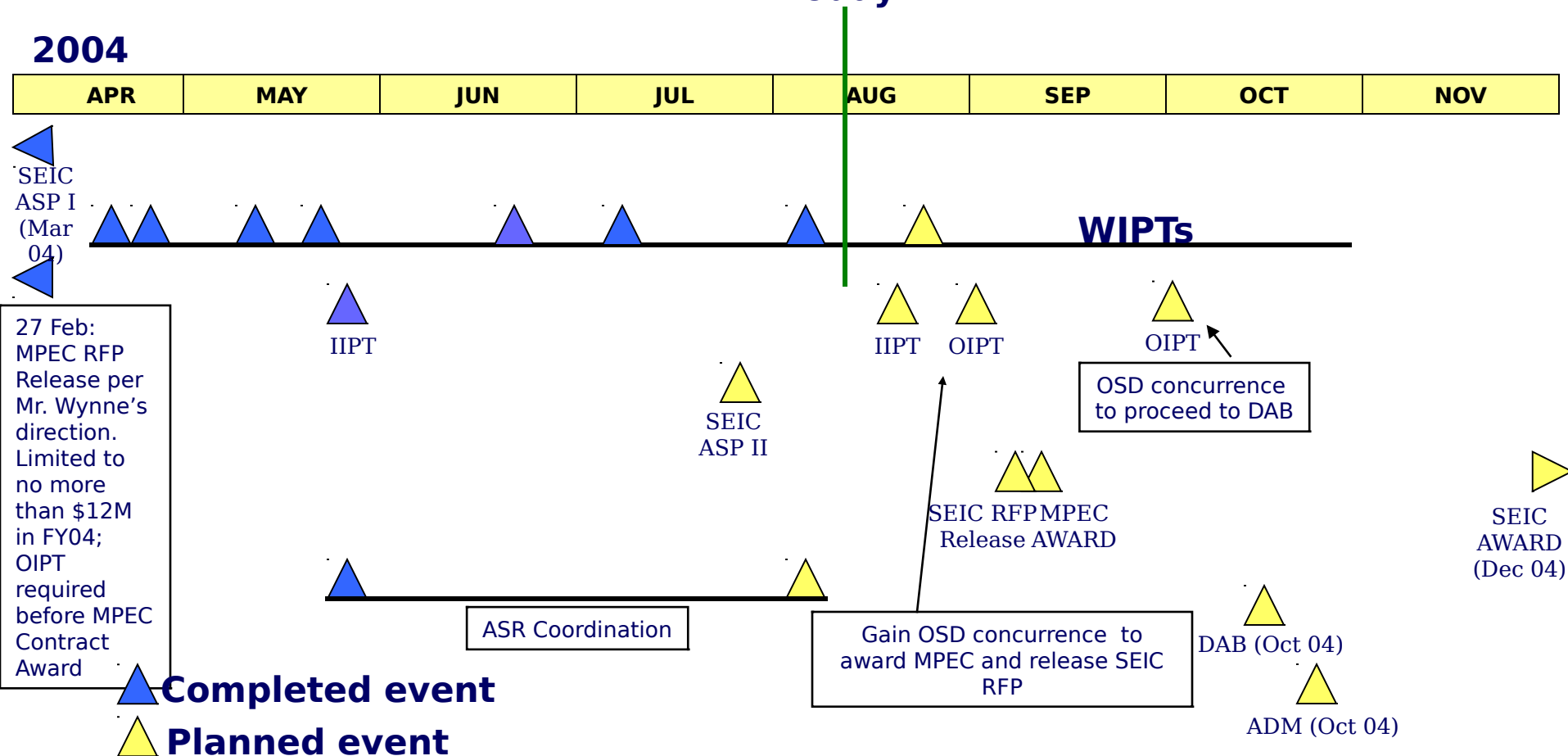
Snapshot Schedule of Events Apr 04-Nov 04

U.S. AIR FORCE

Today

2004

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV

SEIC ASP I (Mar 04)

WIPTs

IIPT

IIPT   OIPT

OIPT

27 Feb: MPEC RFP Release per Mr. Wynne's direction. Limited to no more than $12M in FY04; OIPT required before MPEC Contract Award

SEIC ASP II

OSD concurrence to proceed to DAB

SEIC RFP Release   MPEC AWARD

SEIC AWARD (Dec 04)

ASR Coordination

Gain OSD concurrence to award MPEC and release SEIC RFP

DAB (Oct 04)

ADM (Oct 04)

Completed event

Planned event

Integrity - Service - Excellence

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☑	**Release Sources Sought Synopsis**	**10 Oct 03**
☑	**SEIC Industry Day/One-on-One's**	**15-17 Oct 03**
☑	**Risk Assessment**	**23 Oct 03**
☑	**Quick pass**	**29 Oct 03**
☑	**Pre-ASP**	**04 Feb 04**
☑	**Phase I ASP**	**10 Mar 04**
☑	**Draft RFP Release**	**02 Aug 04**
☑	**Industry Day II/One-on-One's**	**09 Aug 04**
☐	**Phase II ASP**	**10 Aug 04**
☐	**RFP Release**	**15 Sep 04**
☐	**Proposals Due**	**15 Oct 04**
☐	**Contract Award (w/o Discussion)**	**08 Dec 04**

Back Ups

U.S. AIR FORCE

- **Management and technical tasks to integrate the Mission Planning Enterprise**
  - Joint Mission Planning System (JMPS) Framework
  - Common Capabilities (CCs)
  - Unique Planning Components (UPCs)

- **Management and technical tasks to support O&M and Life Cycle Upgrades of legacy systems**
  - Portable Flight Planning Software (PFPS)
  - Tactical Automated Mission Planning System (TAMPS)
  - Army Mission Planning System (AMPS)
  - Mission Planning System (MPS)

Product Responsibilities

	Program Management						
Future Requirements Management	**Systems Requirements Analysis**	**Req. and Design Compliance**	**Integration Test**	**System Test**		**Operational Test**	**Warfighter Use**
Assist						**Assist**	**Assist**

HW/SW Req. Ana.	**Component Test**	**Component Integration Test**

Government Program Mgmt

- **Future Requirements Management**
- **Program Planning**
- **Controlling Technical Effort**
- **Product Line Evolution Management**
- **Contract Management**
- **Program Funding**
- **Risk Management**
- **System Architectural Considerations**
- **Organizational development**

Products

Developer

- **HW/SW Requirements Analysis**
- **HW/SW Design**
- **Design Component**
- **Design Capability**
- **Component Test**
- **Capability Testing**
- **Risk Management**
- **Technical Rules, Standards**
- **Metrics**
- **Training inputs**

Products

Software Requirements Specification

Interface Design Documentation

Programmers Guide

Component test procedures

COE compliance Level 6

Security compliance & Metrics

SEIC Tasks

- **Integration**
- **Requirements Analysis**
- **Architecture and Design**
- **System Evolution Management**
- **Understanding UPC Customer Ne**
- **CM DM QA**
- **Cost, Schedule, Performance, Qu**
- **Risk Management**
- **Process Definition and Managem**
- **User Support**
- **Engineering Management**
- **MPE Management across platfor**
- **Developer Support**
- **Maintain close coordination with Warfighters**

Products

Top-level Architecture, Integrated Master Schedule, Metric reports, Data Model, CM Plan

Integrity - Service - Exce

SEIC Program Management

- **Support Systems Engineering and Integration Team**
- **Manage MPEs across all USAF platforms, including legacies**
- **Process definition and support**
- **Program mgmt of all non-inherently governmental functions**
  - Integration schedule
  - Program management support
  - Financial management tasks
  - Contract management support
  - Earned value management
  - Program management reviews
  - Subcontractor management
- **Contractor personnel and facilities/security**
- **Establish Associate Contractor Agreements with MPEC, legacy developers**

U.S. AIR FORCE

- **Involve industry earlier in the acquisition planning stages through an innovative contract approach**

- **SPO provide guidelines and oversight**
  - Contractor develops plans, options and executes projects

- **Roles & Responsibilities**
  - SPO - inherently governmental functions
  - MPEC - produce software
  - SEIC - everything else

- **Full and open competition (FAR Part 15)**
- **Single source sought, ample subcontracting opportunities**
- **Proposed Contract Types**
  - Cost Reimbursable
  - Cost Plus Award Fee
  - Time & Materials
  - Cost Plus Fixed Fee/Firm Fixed Price
- **Period of Performance**
  - 4-year base plus three 4-year options

SEIC Risks

- **Organizational Conflict of Interest (OCI)**
  - Separation of SEIC and MPEC
  - Delivery Order management process
  - Contracting and financial management insight of MPEC

- **Management of multiple baselines**

- **Shifting workforce**
  - Adequate transition plan
  - Adequate skill set of SEIC

Mission Planning Enterprise Rules

Business

- **Gov't Purpose Rights (Preferred)**
- **Earned Value Management (EVM)**
- **SW-CMM Level 3 or Equivalent**
- **Associate Contractor Agreements**
- **Interface docs (ICDs, IDDs)**
- **Source/executable code releases**
- **Programmer's Guide delivered**
- **Open design reviews -All developers**

Technical

- **Mission planning domain knowledge**
- **Design for extensibility**
- **Design for foreign releasability**
- **COE Level 6 compliant (NCES)**
- **JMPS Security Target requirements**
- **Adhere to JMPS architectural standards**
- **Interface Design Language (IDL)**
- **Access to developer problem database**
- **Comply with DoD directives**

Industry Input

- **This is our draft strategy**
- **Looking for flexible long-term relationship**
- **Want to build the optimal strategy with your input**
- **Initial inputs**
  - Email ideas, issues, risks, lessons learned, etc to PM and PCO
    - PM: Mr. Pat Dagle, patrick.dagle@hanscom.af.mil
    - PCO: Mr. Steve Smith, stephen.smith@hanscom.af.mil
  - All inputs are welcomed – may not be able to respond to all
- **Future inputs**
  - May hold strategy sessions with industry
    - Need to work out details/issues

Need Your Insight To Develop A Contract That Makes Sense